

Message Text

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PAGE 01 STATE 005176
ORIGIN COME-00

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C O N F I D E N T I A L STATE 005176

EXCON

E.O. 11652: XDGS-1

TAGS: ESTC, COCOM

SUBJECT: OSCILLOSCOPES: DUTCH PROPOSAL FOR REVISION OF
AEN CUT-OFF -- IL 1584

REF: COCOM DOC. DEF (76) 1584/1

1. US DEL AND COMMITTEE CAN APPRECIATE FROM LIST REVIEW
RECORDS OF DISCUSSION THAT WE HAVE PROBLEMS STEMMING FROM
THE SIGNIFICANT STRATEGIC USES TO WHICH CERTAIN OSCILLO-
SCOPES CAN BE PUT. NEVERTHELESS, WE WISH TO BE AS FORTH-
COMING AS POSSIBLE IN OUR EFFORTS TO ACCOMMODATE THE
COMMITTEE'S DESIRE TO INCREASE THE CUT-OFF PARAMETER IN
THE AEN. IT WOULD BE MOST HELPFUL IN OUR TECHNICAL AND
POLICY REVIEW IF WE COULD HAVE CLARIFICATION FROM THE DUTCH
AND THE OTHER MEMBERS AS TO PRECISELY WHAT TYPE OF OSCIL-
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LOSCOPE THEY HAVE IN MIND WHEN ADVOCATING AN INCREASE IN
THE AEN TO A CUT-OFF BETWEEN 150 MHZ AND 200 MHZ. ARE
THESE INSTRUMENTS (1) SELF-CONTAINED UNITS, THAT IS
OSCILLOSCOPES WITH VERTICAL CHAHNEL AMPLIFERS, TIME BASED
CATHODE TUBES AND A POWER SUPPLY ALL WIRED INTO ONE BOX
WITH NO POSSIBILITY FOR SUBSITUTION VIA PLUG-IN DEVICES,
ETC.--IN OTHER WORDS, THE TYPE COMMONLY CALLED THE MONO-

LITHIC OR PORTABLE OSCILLOSCOPE OR (2) THE SYSTEM
TYPE PERMITTING CHANGES IN THE VERTICAL CHANNEL AMPLIFIER
AND TIME BASES TO PROVIDE INCREASED VERSATILITY?
2. FYI: THE BASIC PROBLEM WE HAVE IS IN THE AREA OF MHZ
FREQUENCY AND TRAVELING WAVE TUBE (TWT) CAPABILITY.
OSCILLOSCOPES IN THE 100 MHZ PLUS RANGE INCORPORATING TWT
HAVE SIGNIFICANT USE IN TESTING NUCLEAR DEVICES. THE
PROBLEM IS COMPOUNDED BY THE FACT THAT US OSCILLOSCOPE
MANUFACTURERS DO NOT MAKE 150 MHZ PORTABLE OSCILLOSCOPES
(EITHER TWT OR NON-TWT) BUT DO MAKE 200 MHZ/TWT INSTRU-
MENTS, SUCH AS THE TEKRONIX 475 USED IN
COMPUTER SERVICING AS WELL AS 100 MHZ/NON-TWT OSCILLOSCOPES
WHEREAS COCOM FIRMS MAKE 120 MHZ TO 180 MHZ/NON-TWT'S.
THE ANSWER TO THE ABOVE QUESTION MAY HELP IN RESOLVING
OUR PROBLEM.
KISSINGER

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